## INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 CO8G75/02

NE.

PTO

10 JAN 2005

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  $IPC\ 7\ C08G$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the	Relevant to daim No.		
х	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09, 31 July 1998 (1998-07-31) & JP 10 087831 A (TORAY IND ING 7 April 1998 (1998-04-07) abstract	C),	1	
X	EP 0 568 366 A (KUREHA CHEMICAL LTD) 3 November 1993 (1993-11-0 page 7, line 30 - line 32 page 8, line 21 - line 22; cla	1-4,7-11		
A	EP 0 259 984 A (KUREHA CHEMICAL LTD) 16 March 1988 (1988-03-16 page 5, line 27 - line 34		1-3	
	her documents are listed in the continuation of box C. ategories of cited documents:	X Patent family members are listed		
"A" docume consider filing consider which citation other "P" docume of the country of the countr	ent defining the general state of the art which is not derect to be of particular relevance document but published on or after the international	<ul> <li>*T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>*&amp;' document member of the same patent family</li> </ul>		
Date of the actual completion of the international search		Date of mailing of the international search report		
9	September 2003	17/09/2003		
Name and	mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Engel, S		



Interact population No PCT/JP 03/08852

2.0	(Application) DOCI BIGNITE CONCINEDED TO DE DEL EVANT		FC1/UF 03/08652		
	Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT  legory Clitation of document, with indication, where appropriate, of the relevant passages    Relevant to claim No.				
Category °	Oration of document, with indication, where appropriate, of the relevant passages		1 totalit to dialit 140.		
х	EP 0 436 120 A (PHILLIPS PETROLEUM CO) 10 July 1991 (1991-07-10) page 4, paragraph 3 example 1		1-4,7-11		
	·				



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Information on patent family members

Interestional Application No PCT/JP 03/08852

Patent document cited in search report	.	Publication date		Patent family member(s)	Publication date
JP 10087831	Α	07-04-1998	NONE		- <del> </del>
EP 0568366	A	03-11-1993	EP JP	0568366 A1 6025416 A	03-11-1993 01-02-1994
			US	5312894 A	17-05-1994
EP 0259984	A	16-03-1988	JP	2107117 C	06-11-1996
			JP	8013887 B	14-02-1996
			JP	63046228 A	27-02-1988
			CA	1278144 C	18-12-1990
			DE	3782131 D1	12-11-1992
			DE	3782131 T2	25-02-1993
			EP	0259984 A1	16-03-1988
			US	4794164 A	27-12-1988
EP 0436120	Α	10-07-1991	US	5037954 A	06-08-1991
•			CA	2027763 A1	28-06-1991
			EP	0436120 A2	10-07-1991

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